

REMARKS

Reconsideration and allowance of the above-referenced application are respectfully requested.

The title stands objected to as not being descriptive. In response, a new title is provided herein.

Claims 4-8, 10, 21-25, and 27 stand rejected as being obvious over U.S. Patent No. 5,815,226 to Yamazaki in view of U.S. Patent No. 5,734,451 to Yanagawa. Claims 9 and 26 stand rejected under 35 U.S.C. 103(a) as being obvious over Yamazaki '226 in view of Yamazaki U.S. Patent No. 5,814,834. Claims 4 and 21 are amended to emphasize their patentable distinctions herein. However, the rejection of these claims is respectfully traversed.

The present invention defines a liquid crystal display device that has a liquid crystal layer, a pixel electrode, and a common electrode that is a black matrix. The liquid crystal layer is driven by an electric field that is formed between the pixel electrode and the common electrode that is a black matrix.

The Office Action indicates that item 316 of Yamazaki '226 is a common electrode. However, it is respectfully suggested that Yamazaki '226 does not define that a liquid crystal layer is driven by an electric field formed between a pixel electrode and element 316 of Yamazaki. For these reasons, it is respectfully suggested that the invention as defined by claims 4

and 21 is totally distinguished over Yamazaki '226. Yanagawa is cited to disclose in-plane switching. However, Yanagawa does not disclose a system common electrode that is a black matrix. Therefore, the hypothetical combination of these references would not anticipate nor render obvious claims 4 and 21. For these reasons, it is respectfully suggested that all of these claims should be in condition for allowance.

In view of the above amendments and remarks, therefore, all of the claims should be in condition for allowance. A formal notice to that effect is respectfully solicited.

Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

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VERSION TO SHOW CHANGES MADE

In the Title:

The title has been changed to read as follows:

LIQUID CRYSTAL DISPLAY DEVICE WITH A COMMON ELECTRODE FORM
FROM A BLACK MATRIX

In the Claims:

Claims 4 and 21 have been amended as follows.

4. A liquid crystal display device comprising:
a substrate [comprising:];
a first interlayer insulating film [made of] comprising a
material selected from the group consisting of an organic resin
material [or] and an inorganic material;
a pixel line and a pixel electrode extending from the pixel
line which are formed [on] over the first interlayer insulating
film; and
a second interlayer insulating film and a common electrode,
the common electrode being a black matrix;
a liquid crystal layer held [on] over the substrate, and
driven by an electric field formed between the pixel electrode
and the common electrode, the electric field having a component
parallel with the substrate; and

a storage capacitor formed by at least parts of the pixel line and the black matrix which parts coextend [on] over the first interlayer insulating film with the second interlayer insulating film interposed in between.

21. A liquid crystal display device comprising:

a first substrate [comprising:];

a first interlayer insulating film [made of] comprising a material selected from the group consisting of an organic resin material [or] and an inorganic material;

a pixel line and a pixel electrode extending from the pixel line which are formed [on] over the first interlayer over insulating film; and

a second interlayer insulating film and a common electrode, the common electrode being [film and a common] a black matrix;

a second substrate opposed to the first substrate;

a liquid crystal layer held between the first and second substrates, and driven by an electric field formed between the pixel electrode and the common electrode, the electric field having a component parallel with the substrates; and

a storage capacitor formed by at least parts of the pixel line and the black matrix which parts coextend [on] over the first interlayer insulating film with the second interlayer insulating film interposed in between.